



MADALITSO TEMBO

BSc Computer Science

About Me

Aspiring Cybersecurity and IT Professional dedicated to mastering modern defense strategies and advancing technology through secure software development. Possesses a strong foundation in security principles, system administration, and network fundamentals. Certified in HCIA (Cloud Computing, AI, IoT), with deep knowledge in software development (Flask, UI/UX) ready to contribute to top-notch, robust IT solutions. Proven strategic leader from steering the ICTAZ student chapter, demonstrating excellence in project coordination, team execution, and the ability to drive impactful digital transformation.



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Nakambala Sugar Estate,
Mazabuka, Zambia

Certification

- HCIA - Artificial Intelligence
- HCIA - Internet of Things
- HCIA - Cloud Computing
- Leadership - ICTAZ MU Chapter

Experience

ZAMBIA SUGAR ILLOVO -

AUGUST - PRESENT

Human Resource - Intern

- Developed and managed an internal Microsoft Access database used for data capturing, cleanup, and ensuring the integrity of critical employee information.
- Executed SQL queries to validate data consistency, identify missing values, and significantly reduce human error in the employee records across enterprise systems.
- Conducted technical data cleanup by fixing inconsistencies and capturing missing information to guarantee the accuracy and reliability of HR data.
- Supported HR analytics by structuring, organizing, and analyzing workforce data to identify trends, create data visualizations, and generate actionable reports for management decision-making.

Leadership Experience

President – ICTAZ Mulungushi University Chapter

Aug 2023 – July 30th

- Directed and managed all ICT-related student initiatives, ensuring strategic alignment with national professional association goals and fostering essential skill development.
- Served as the primary Chapter Ambassador, successfully networking and building professional relationships with key ICT industry leaders and stakeholders.
- Spearheaded a major project proposal for an inter-university national ICT competition, defining the scope and integrating technical events like Hackathons and Capture The Flag (CTF) challenges.
- Executed professional outreach programs (mentorships and technical meetups) to bridge the gap between student competencies and industry professional requirements.
- Provided strategic team leadership to a board of student executives, establishing efficient planning methodologies and ensuring high standards for project communication and execution.

Education

Mulungushi University

Bachelor of Science in Computer Science
2021 - 2025

Nakambala Private

Primary Education
2008 - 2014

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2008 - 2014

Languages

- English
- Bemba
- Nyanja

Skills Summary

Technical Skills

Cybersecurity & Networking - Security Principles, Network Fundamentals, Access Control, TCP/IP, Nmap (Familiarity), Basic Incident Response

Database & Data Management - SQL (Querying and Integrity Checks), Microsoft Access (Database Development), Data Validation, Data Analysis

Cloud Computing & AI - HCIA - Cloud Computing, HCIA - Artificial Intelligence, Cloud Service Models (IaaS, PaaS, SaaS), IoT Architectures (HCIA - Internet of Things)

Programming & Development - Python (Intermediate), Flask, Software Development, UI/UX Design, HTML/CSS, Machine Learning

Professional Soft Skills

Strategic Leadership: Proven ability to manage teams, ensure efficient project execution, and provide strategic direction in line with organizational goals

Data Integrity & Confidentiality: Experience developing SQL queries to check data inconsistencies and ensuring the security and confidentiality of employee records

Project Management & Coordination: Demonstrated skill in coordinating complex initiatives, including the proposal and design of technical events (National ICT Competition, Hackathons, CTFs).

Critical Thinking & Analytical Reporting: Applied in organizing, analyzing, and presenting workforce data to inform decision-making and identify operational trends.

Professional Networking & Communication: Strong public speaking and presentation skills, successfully building networks with industry professionals and stakeholders.

References

AVAILABLE UPON REQUEST

